

What is claimed is:

- 1) A method for accessing management information using SNMP-formats, the information stored in CIM formats, the method comprising:

receiving a request message from an SNMP client;  
mapping the request message into CIM formats; and  
performing at least one of retrieving and setting a CIM object value.

- 2) A method according to claim 1, the method further comprising:

encoding CIM property values into SNMP formats; and  
returning an SNMP response message to the SNMP client.

- 3) A method for generating a mapping file from a MIB file, the MIB file including at least one SNMP variable, the method comprising:

reading at least one SNMP variable from the MIB file; and  
generating a mapping file entry for at least one of a group and a row sequence specified in the MIB file, the mapping file entry including an OID, a class name, a property name, a SNMP datatype and a next OID.

- 4) A method according to claim 3, wherein the mapping file entry further includes SNMP table indexes.

- 5) A computer program product for use on a computer system for accessing management information using SNMP-formats, the information stored in CIM formats, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:

receiving a request message from an SNMP client;  
mapping the request message into CIM formats; and  
performing at least one of retrieving and setting a CIM object value.

A computer program product for generating a mapping file from a MIB file, the MIB file including at least one SNMP variable, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:

5 reading at least one SNMP variable from the MIB file; and  
generating a mapping file entry for at least one of a group and a row sequence specified in the MIB file, the mapping file entry including an OID, a class name, a property name, a SNMP datatype and a next OID.

6) A computer system for accessing management information using SNMP-formats, the  
10 information stored in CIM formats, the computer system comprising:

a buffer for receiving a request message ;  
logic that receives a request message from an SNMP client;  
logic that maps the request message into CIM formats; and  
logic that performs at least one of retrieving and setting a CIM object value.